

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	((repeater regenerator) and ((base adj2 station) BTS "node B" (access adj (point node))) and (antenna\$1 transducer\$1) and (moving move\$1 movable steer\$4 span\$4 sweep\$3 swing\$3 scop\$3) and (up\$1link down \$1link (reverse adj link) (forward adj link))).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/12 16:27
L2	3	455/9.cols. and 455/453.cols.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/12 17:20
L3	8	455/9.cols. and 455/450,453.cols.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/12 17:21
S1	1	repeater with (directional adj antenna) with ((SNR or signal\$1to\$1noise\$1ratio) or (carrier\$1to\$co\$1channel) or co\$1channel or interference)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 09:19
S2	40	repeater same (directional adj antenna) same ((SNR or signal\$1to\$1noise\$1ratio) or (carrier\$1to\$co\$1channel) or co\$1channel or interference)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 09:23
S3	192	repeater same (measur\$4 determin\$5 calculat\$3 detect\$3) same ((SNR or signal\$1to\$1noise\$1ratio) or (carrier \$1to\$co\$1channel) or co\$1channel or ("carrier-to-interference ratio") or ("signal-to-noise ratio"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 09:40
S4	51	S3 and "455"/\$.cols.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 09:39
S5	5	S3 and "455"/11.1.cols.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 09:40
S6	28	(measur\$4 determin\$5 calculat\$3 detect\$3) same ((SNR or signal\$1to\$1noise\$1ratio) or (carrier\$1to\$co \$1channel) or co\$1channel or ("carrier-to-interference ratio") or ("signal-to-noise ratio")) and 455/11.1.cols.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 09:48

S7	:27	repeater near3 (measur\$4 determin\$5 calculat\$3 deted\$3) same ((SNR or signal\$1to\$1noise\$1ratio) or (carrier\$1to\$co\$1channel) or co\$1channel or ("carrier-to-interference ratio") or ("signal-to-noise ratio"))	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 09:50
S8	:2414	repeater with antenna	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 09:50
S9	:1077	repeater near3 antenna	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 09:51
S10	:125	S9 and ( ((co-channel or cochannel) adj interference) or (SNR or "signal-to-noise ratio") )	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 09:53
S11	:9	("5898925"   "5940743"   "5943610"   "5946612"   "6167272"   "6243591"   "6374085"   "6466560"   "6480524").PN. OR ("6628952").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2005/12/20 10:01
S12	:8	("4799062"   "5483241"   "5978650"   "6108364"   "6236365"   "6266008").PN. OR ("6501955").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2005/12/20 10:18
S13	:108	squelch same repeater	US-PGPUB; USPAT; USOOR	OR	ON	2005/12/20 10:18
S14	:143	squelch same repeater	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 10:35
S15	:6	repeater near2 (measur\$5 determin\$5) with ((SNR "signal-to-noise ratio" "signal to noise ratio") or (C/I "cochannel interference ratio" co-channel cochannel))	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 10:42
S16	:4	repeater near2 (measur\$5 determin\$5) near5 ((SNR "signal-to-noise ratio" "signal to noise ratio") or (C/I "cochannel interference ratio" co-channel cochannel))	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 10:42

S17	14	repeater with (measur\$5 determin\$5) near5 ((SNR "signal-to-noise ratio" "signal to noise ratio") or (C/I "cochannel interference ratio" co-channel cochannel))	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 10:56
S18	779	455/11.1.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 11:15
S19	39	repeater same (SNR C/I "signal-to-noise ratio" "signal\$1to\$1noise\$1 ratio" "co-channel interference" "cochannel interference") and 455/9,10,11,1,63,1,63,2,63,4,67,11,67,13,25,501,95,115,1,135,167,1,423.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 12:10
S20	41	("2734131"   "2864943"   "3729681"   "3729682"   "3745462"   "3916316"   "4035729"   "4057761"   "4131849").PN. OR ("4317218").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2005/12/20 12:09
S21	894	repeater and 455/9,10,11,1,63,1,63,2,63,4,67,11,67,13,25,501,95,115,1,135,167,1,423.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 12:51
S22	139	S21 and (SNR C/I "signal to noise ratio" (signal\$1to\$1noise) (co\$1channel adj interference))	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 12:14
S23	122	S22 and antenna	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 12:38
S24	2082	LeBlanc.in.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 12:38
S25	9	LeBlanc.in. and "455"/\$.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 12:48

S26	:2	"20030143948".pn.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 12:51
S27	:0	repeater and 340/343,340.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 12:52
S28	:4136	(measure calculat\$3 detect\$3 determin\$5 monitor\$3) near3 (SNR C/NR C/I "signal\$1to\$1noise ratio" ((cochannel co-channel) near2 interference))	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 13:02
S29	:834	(measure calculat\$3 detect\$3 determin\$5 monitor\$3) near3 (SNR C/NR C/I "signal\$1to\$1noise ratio" ((cochannel co-channel) near2 interference)) and "455"/\$.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 13:02
S30	:179	(measure calculat\$3 detect\$3 determin\$5 monitor\$3) near3 (SNR C/NR C/I "signal\$1to\$1noise ratio" ((cochannel co-channel) near2 interference)) and "455"/11.1,7,9,10,25,63.1,63.2,67.11,67.13.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 13:27
S31	:2	"5204970".pn.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 14:11
S32	:48	repeater near6 ((monitor\$3 determin\$3 measur\$3 calculat\$3) near4 (SNR interference cochannel noise CIR rs rssi (signal adj (noise strength)))) and "455"/\$.ccls.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 15:14
S33	:11	("3646441"   "5953637"   "5970410"   "6005696"   "6006073"   "6032057"   "6088570"   "6088592"   "6104936"   "6253060"   "6473506").PN. OR ("6748212").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2005/12/20 15:32
S34	:11	("3646441"   "5953637"   "5970410"   "6005696"   "6006073"   "6032057"   "6088570"   "6088592"   "6104936"   "6253060"   "6473506").PN. OR ("6748212").URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2005/12/20 16:10

S35	21	takinwande.in.	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 17:36
S36	1	(directional adj antenna) near3 sweep with (region "coverage area" area increment cover\$3)	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 18:06
S37	20	("4779097"   "4901307"   "5056109"   "5101501"   "5109390"   "5280472"   "5442627"   "5488737"   "5490165"   "5504773"   "5506865"   "5513176"   "5568483"   "5615409"   "5697052"   "5809401"   "5859612"   "6038453"   "6078824"   "6173190").PN. OR ("6757553").URPN.	US_PGPUB; USPAT; USOCR	OR	ON	2005/12/20 18:06
S38	4	(directional adj antenna) near5 sweep with (region "coverage area" area increment cover\$3)	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 18:12
S39	17	("5056109"   "5625876"   "5708441"   "5713074"   "5778324"   "5815116"   "5873048"   "5894598"   "5924040"   "5936577"   "5966670"   "6091788"   "6131015"   "6134261"   "6175737"   "6188913"   "6212406").PN. OR ("6782277").URPN.	US_PGPUB; USPAT; USOCR	OR	ON	2005/12/20 18:07
S40	26	("5087917"   "5200755"   "5214390"   "5303240"   "5425057"   "5446370"   "5557285"   "5596329").PN. OR ("5873048").URPN.	US_PGPUB; USPAT; USOCR	OR	ON	2005/12/20 18:11
S41	0	repeater near5 (directional adj antenna) same sweep same (region "coverage area" area increment cover\$3)	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 18:13
S42	6	repeater near5 antenna same sweep same (region "coverage area" area increment cover\$3)	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 18:13
S43	23	repeater same antenna same sweep same (region "coverage area" area increment cover\$3)	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 18:13
S44	2	"20030013410".pn.	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 07:59

S45	:30	(repeater near3 antenna) with (RSSI (signal near2 noise) (signal near2 strength))	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 08:11
S46	:10	(repeater near3 antenna) same (measur\$5 dtermin\$5) near3 (RSSI (signal near2 noise) (signal near2 strength)) SNR CNR (carrier near3 ratio))	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 08:36
S47	:4	S46 and S45	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 08:14
S48	:418	antenna same (sweep\$3 cover\$3) same (measur\$5 calculat\$3) same (measur\$5 dtermin\$5) same (RSSI (signal near2 noise) (signal near2 strength) SNR CNR (carrier near3 ratio))	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 08:49
S49	:456	antenna same (sweep\$3 cover\$3) same (measur\$5 calculat\$3 dtermin\$5) same (RSSI (signal near2 noise) (signal near2 strength) SNR CNR (carrier near3 ratio))	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 08:49
S50	:124	repeater near5 (repeating repeat re\$1transmit\$4) same (RSSI (signal near2 noise) (signal near2 strength) SNR CNR (carrier near3 ratio))	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 09:02
S51	:39	repeater near5 (repeating repeat re\$1transmit\$4) same (RSSI (signal near2 noise) (signal near2 strength) SNR CNR (carrier near3 ratio)) and "455"/\$.cls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 09:09
S52	:279373	repeater near5 measur\$5 (RSSI (signal near2 noise) (signal near2 strength) SNR CNR (carrier near3 ratio))	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 09:09

S53	51	repeater near5 measur\$5 near5 (RSSI (signal near2 noise) (signal near2 strength) SNR CNR (carrier near3 ratio))	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 09:10
S54	24	S53 and "455"/\$.cls.	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 09:10
S55	4	("5133081"   "5479400"   "6031455"   "6556325").PN. OR ("6941137").URPN.	US_PGPUB; USPAT; USOCR	OR	ON	2006/03/29 09:17
S56	33571	repeater near3 receiv\$3 (signal channel "frequency channels") near5 ("base stations" ((plurality many multiple) near4 (base near2 station)) )	US_PGPUB; USPAT; USOCR	OR	ON	2006/03/29 09:20
S57	55827	repeater near3 receiv\$3 (signal channel "frequency channels") near5 ("base stations" ((plurality many multiple) near4 (base near2 station)) )	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 09:21
S58	47036	repeater near3 receiv\$3 (signal channel "frequency channels") near3 ("base stations" ((plurality many multiple) near4 (base near2 station)) )	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 09:21
S59	21843	repeater near3 receiv\$3 (signal channel "frequency channels") near3 ("base stations" ((plurality many multiple) near4 (base near2 station)) ) and "455"/\$.cls.	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 09:22
S60	91	repeater near3 receiv\$3 near2 (signal channel "frequency channels") near5 ("base stations" ((plurality many multiple) near4 (base near2 station)) ) and "455"/\$.cls.	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 10:46
S61	86	S60 not S51	US_PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 09:23

S62	:82	S61 not S54	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 09:34
S63	:86	("20020132600"   "20020187812"   "20020187813"   "20030032453"   "20030124976"   "20030143948"   "20030162550"   "20030220109"   "20030222818"   "20040146013"   "20040157645"   "20040203706"   "20050068231"   "20050170832"   "5293172"   "5534872"   "5628052"   "5812935"   "5907794"   "5970061"   "6005530"   "6005884"   "6006075"   "6035218"   "6108323"   "6433737"   "6515635"   "6567460"   "6600918"   "6600934"   "6609012"   "6611695"   "6697642"   "6731905"   "6748212"   "6751480"   "6778809"   "6782277"   "6795018"   "6799024"   "6801790"   "6816732"   "6834198").PN.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 11:11
S64	:106	repeater with (hand\$1off hand\$1over)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 10:48
S65	:1	wo-9631078-\$ did.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 10:27
S66	:2	wo-9612380-\$ did.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 10:28
S67	:2	wo-9708854-\$ did.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 10:29
S68	:0	GB-2253324.pn.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 10:30
S69	:1	GB-2253324-\$ did.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 10:30

S70	:4	"6907244".pn.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 10:30
S71	:29	repeater near3 receiv\$3 near2 (signal channel "frequency channels") near5 ("base stations" ((plurality many multiple) near4 (base near2 station))) ) and "455"/9,11.1,436.ccls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 10:47
S72	:7	\$64 and 455/436,438,439.ccls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 10:49
S73	:128	repeater and 455/436,438,439.ccls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 10:49
S74	:128	S73 not \$60	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 10:49
S75	:121	S74 not \$64	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 10:50
S76	:38	repeater near5 receiv\$3 near5 (signals channel) near7 (interval increment angle)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 11:21
S77	:5720824	"phased array antenna" receiv\$3 (signal channel) with (interval increment rotat\$3) and "343"/\$.ccls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 11:23

S78	2697	"phased array antenna" near3 receiv\$3 (signal channel) with (interval increment rotat\$3) and "343"/\$.cdls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 11:23
S79	1336	"phased array antenna" near3 receiv\$3 (signal channel) near3 (interval increment rotat\$3) and "343"/\$.cdls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 11:23
S80	0	"phased array antenna" near3 receiv\$3 near3 (signal channel) with (interval increment rotat\$3) and "343"/\$.cdls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 11:26
S81	2	"phased array antenna" with receiv\$3 with (signal channel) with (interval increment rotat\$3) and "343"/\$.cdls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 11:28
S82	126	"phased array antenna" with receiv\$3 with (signal channel) and "343"/\$.cdls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 11:29
S83	102	("20020028675"   "20020132600"   "20020187812"   "20020187813"   "20030013410"   "20030032453"   "20030124976"   "20030143948"   "20030162550"   "20030220109"   "20030222818"   "20040146013"   "20040157645"   "20040203706"   "20050068231"   "20050170832"   "20050227619"   "5293172"   "5534872"   "5628052"   "5812935"   "5883884"   "5907794"   "5970061"   "6005530"   "6005884"   "6006075"   "6035218"   "6108323"   "6433737"   "6515635"   "6567460"   "6600918"   "6600934"   "6609012"   "6611695"   "6697642"   "6731905"   "6748212"   "6751480"   "6778809"   "6782277"   "6795018"   "6799024"   "6801790"   "6804491"   "6816732"   "6834198"   "6862430"   "7003261").PN.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 18:08
S84	14	antenna with repeater with (scan\$4 sweep\$3) and 455/11.1.13.1.ccls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 18:13
S85	12	antenna with repeater with (scan\$4 sweep\$3) and "455"/\$.cdls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 18:16

S86	:8	antenna with repeater with (scan\$4 sweep\$3) same (wireless cellular mobile)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 18:16
S87	:5	S86 not S85	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 18:17
S88	:165	repeater with (directional adj antenna)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 18:19
S89	:10	repeater with (directional adj antenna) same (scan\$4 sweep\$3)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 18:20
S90	:42	repeater and schmutz	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 18:21
S91	:24	S90 and "455"/\$.cls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 19:29
S92	:4	"7003261".pn.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/14 19:29
S93	:0	(repeater relay regenerator) same antenna\$1 near3 (sweep\$3 rotat\$3 movable move moving) same (co \$1channel near3 interference)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/14 08:35

S94	:26	(( ((wireless mobile portable cellular RF hand\$1held hand) adj (phone telephone device equipment apparatus user unit subscriber radio terminal station)) or radio\$1phone or radio\$1telephone or cell\$1phone or (terminal adj (unit equipment)) or telephone or hand\$2phone or hand\$1set or (subscriber adj unit) or (user adj equipment) PDA "personal digital assistant") BS base\$1station BTS (base adj2 station) (access adj (node point))) near3 (relay \$3 repeater regenerator) same (antenna\$1 transducer) near3 (sweep\$3 rotat\$3)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/14 08:39
S95	:1	(repeater relay regenerator) same (antyenna\$1 transducer\$1) same (((ad\$1hoc mesh manet mobile\$1IP) near3 network) "wireless personal area network" "wireles local area network" W\$1LAN W\$1PAN)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/14 09:02
S96	:110	(repeater relay regenerator) same (antenna\$1 transducer\$1) same (((ad\$1hoc mesh manet mobile\$1IP) near3 network) "wireless personal area network" "wireles local area network" W\$1LAN W\$1PAN)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/14 09:03
S97	:0	455/7,11.1,13.1,16.ccls and 455/13.3.ccls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/14 10:14
S98	:0	455/7,11.1,13.1,13.3,16.ccls and 455/561,562.1.ccls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/14 10:16
S99	:47	455/7,11.1,13.1,16.ccls. and 455/13.3.ccls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/14 10:14
S100	:105	455/7,11.1,13.1,13.3,16.ccls. and 455/561,562.1.ccls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/14 10:16
S101	:101	S100 not S99	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/14 10:16

S102	1296	(repeater relay) with (antenna\$1 transducer\$1) same (directional rotat\$3 sweep\$3) same (SNR SINR CNR CINR C\$1 c\$1N signal\$1to\$1noise\$1ratio (carrier near3 interference) FER BER frame\$1error\$1rate frame\$1erasure \$1rate)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 06:25
S103	323	S102 and ("455"/\$.ccls. or "370"/\$.ccls.)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 06:17
S104	98	S103 and (455/11.1,13.1,13.3,16,25,19,67.11,67.13.ccls. or 370/243,246,274,279,315,492,501.ccls.)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 08:40
S105	102	(repeater relay) with (antenna\$1 transducer\$1) same (directional rotat\$3 sweep\$3) same (SNR SINR CNR CINR signal\$1to\$1noise\$1ratio (carrier near3 interference) FER BER frame\$1error\$1rate frame\$1erasure\$1rate)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 06:42
S106	92	S104 not S105	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 06:49
S107	0	(repeater relay) with (antenna\$1 transducer\$1) same (carrier near3 interference)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 06:43
S108	49	455/11.1,13.1,13.3,16,25,19.ccls. and 455/67.11,67.13.ccls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 08:40
S109	47	S108 not (S105 or S104)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 08:48

S110	331	repeater and (co\$1channel near3 interference)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 09:43
S111	172	S110 and "455"/\$.cols.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 10:00
S112	2	"20020028675".pn.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 12:54
S113	1	repeater same (phased adj array) near5 (antenna\$1 transducer\$1) same (BTS (base adj2 station) base \$1station)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 12:57
S114	6	repeater with (phased adj array) near5 (antenna\$1 transducer\$1)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 12:57
S115	22	(repeater (base adj2 station) BTS "node B" (access adj (point node))) same (antenna\$1 transducer\$1) same (moving move\$1 movable steer\$4 span\$4 sweep\$3 swing\$3 scop\$3) same (increment angle arc breadth space region area length width coverage) same (SNR CNR SINR "signal-to-noise" ((co\$1channel carrier) near2 interference)) and 455/9,10,11.1,13.1,13.3,16,513,514,63,1.63,2,63,4,67,11,67,13,550,1,561,562,1.cols.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 09:48
S116	32	("20020008672"   "20020036586"   "20020051430"   "20020105931"   "20030007473"   "20030048770"   "20030152086"   "20030228857"   "20040009794"   "20040033817"   "20040053634"   "20040102157"   "20040114535"   "20040130487"   "20040150568"   "20040157611"   "20040196822"   "20040259597"   "3846799"   "5617102"   "5903826"   "5905473"   "6009124"   "6229480"   "6445688"   "6486832"   "6493545"   "6515635"   "6531985"   "6611231"   "6640087").PN. OR ("7103386").URPN.	US_PGPUB; USPAT; USOOR	OR	ON	2008/03/12 09:54
S117	72	(repeater (base adj2 station) BTS "node B" (access adj (point node))) same (antenna\$1 transducer\$1) same (moving move\$1 movable steer\$4 span\$4 scan\$4 sweep\$3 swing\$3 scop\$3) same (increment angle arc breadth space region area length width coverage) same (SNR CNR SINR "signal-to-noise" ((co\$1channel carrier) near2 interference))	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 09:58

S118	50	S117 not S115	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 10:00
S119	1	(repeater regenerator) same ((base adj2 station) BTS "node B" (access adj (point node))) same (antenna\$1 transducer\$1) same (moving move\$1 movable steer\$4 span\$4 sweep\$3 swing\$3 scop\$3) same (increment angle arc breadth space region area length width coverage) same (SNR CNR SINR "signal-to-noise" ((co \$1channel carrier) near2 interference))	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 10:31
S120	1	(repeater regenerator) same ((base adj2 station) BTS "node B" (access adj (point node))) same (antenna\$1 transducer\$1) same (increment angle arc breadth space region area length width coverage) same (SNR CNR SINR "signal-to-noise" ((co\$1channel carrier) near2 interference)) same ((forward adj link) down\$1link) same ((reverse adj link) up\$1link)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 10:36
S121	3	(repeater regenerator) same ((base adj2 station) BTS "node B" (access adj (point node))) same (antenna\$1 transducer\$1) same (SNR CNR SINR "signal-to-noise" ((co\$1channel carrier) near2 interference)) same ((forward adj link) down\$1link) same ((reverse adj link) up\$1link)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 10:41
S122	10	("20020115448"   "20030008663"   "20030190919"   "5900838"   "6108364"   "6157842"   "6438381"   "6501955"   "6507741"   "6832090").PN. OR ("7016688").URPN.	US_PGPUB; USPAT; USOOR	OR	ON	2008/03/12 10:43
S123	163	(repeater (base adj2 station) BTS "node B" (access adj (point node))) same (antenna\$1 transducer\$1) same (moving move\$1 movable steer\$4 span\$4 sweep\$3 swing\$3 scop\$3) same (SNR CNR SINR "signal-to-noise" ((co \$1channel carrier) near2 interference))	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 11:15
S124	97	S123 not ( S118 or S117 or S116 or S115)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 11:18
S125	5684	(antenna\$1 transducer\$1) same (moving move\$1 movable steer\$4 span\$4 sweep\$3 swing\$3 scop\$3 increment angle) same (SNR CNR SINR "signal-to-noise" ((co\$1channel carrier) near2 (interference ratio)) (signal adj (strength characteristic\$1)) RSSI)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 11:29
S126	61	(antenna\$1 transducer\$1) same (moving move\$1 movable steer\$4 span\$4 sweep\$3 swing\$3 scop\$3 increment angle) same (SNR CNR SINR "signal-to-noise" ((co\$1channel carrier) near2 (interference ratio)) (signal adj (strength characteristic\$1)) RSSI) same (up\$1link (reverse adj link)) same (down\$1link (forward adj link))	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 11:31

S127	31	S126 not (S124 or S118 or S117 or S116 or S115)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 11:32
S128	12	(repeater regenerator) same ((base adj2 station) BTS "node B" (access adj (point node))) same (antenna\$1 transducer\$1) same (SNR CNR SINR "signal-to-noise" ((co\$1 channel carrier) near2 (interference ratio)) (signal adj (strength characteristic\$1)) RSSI) same (up\$1link (reverse adj link)) same (down\$1link (forward adj link))	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 12:05
S129	136	(repeater regenerator) same ((base adj2 station) BTS "node B" (access adj (point node))) same (antenna\$1 transducer\$1) same (up\$1link (reverse adj link)) same (down\$1link (forward adj link))	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 12:13
S130	130	S129 not (S126 or S124 or S118 or S117 or S116 or S115)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 12:14
S131	25	("4152647"   "4539706"   "4745632"   "4937812"   "5010544"   "5095528"   "5239666"   "5526376"   "5541979"   "5548803"   "5768683"   "6097968"   "6108364"   "6141533"   "6246883").PN. OR ("6459881").URPN.	US_PGPUB; USPAT; USOOR	OR	ON	2008/03/12 12:21
S132	40	(repeater regenerator relay) same ((base adj2 station) BTS "node B" (access adj (point node))) same (directional near3 (antenna\$1 transducer\$1 beam lobe)) same (down\$1link (forward adj link))	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 12:25
S133	644	(repeater regenerator relay) same ((base adj2 station) BTS "node B" (access adj (point node))) same (antenna\$1 transducer\$1 beam lobe) and (down\$1link (forward adj link)) and (moving move\$1 movable steer\$4 span\$4 sweep\$3 swing\$3 scop\$3) and (increment angle arc breadth space region area length width coverage)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 12:56
S134	171	(repeater regenerator relay) same ((base adj2 station) BTS "node B" (access adj (point node))) same (antenna\$1 transducer\$1 beam lobe) and (down\$1link (forward adj link)) and (moving move\$1 movable steer\$4 span\$4 sweep\$3 swing\$3 scop\$3) and (increment angle arc breadth space region area length width coverage) and 455/9,10,11,1,13,1,13,3,16,513,514,63,1,63,2,63,4,67,11,67,13,550,1,561,562,1.ccls.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 12:58
S135	127	S134 not (S130 or S126 or S124 or S118 or S117 or S116 or S115)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 12:59

S136	3966	(repeater relay repeater) same (antenna\$1 transducer\$1) same (moving move\$1 movable steer\$4 span\$4 scan\$4 sweep\$3 swing\$3 scop\$3) same (increment angle arc breadth space region area length width coverage)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 13:15
S137	2407	((repeater relay repeater) same (antenna\$1 transducer\$1) same (steer\$4 span\$4 scan\$4 sweep\$3 swing\$3 scop\$3) same (increment angle arc breadth space region area length width coverage))	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 13:16
S138	291	S137 and "455"/\$.cds.	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 13:17
S139	278	S138 not (S135 or S130 or S126 or S123 or S118 or S117 or S116 or S115)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 13:17
S140	26	"5173708"   "5519405".PN. OR ("5797083").URPN.	US_PGPUB; USPAT; USOOR	OR	ON	2008/03/12 13:49
S141	273	(repeater regenerator relay) same ((base adj2 station) BTS "node B" (access adj (point node))) same (antenna\$1 transducer\$1) same (moving move\$1 movable steer\$4 span\$4 sweep\$3 swing\$3 scop\$3)	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 14:07
S142	144	S141 and (@rlad<"20030910" or @ad<"20030910")	US_PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/12 14:08
S143	0	((repeater regenerator) and ((base adj2 station) BTS "node B" (access adj (point node))) and (antenna\$1 transducer\$1) and (moving move\$1 movable steer\$4 span\$4 sweep\$3 swing\$3 scop\$3) and (increment angle arc breadth space region area length width coverage) and (SNR CNR SINR "signal-to-noise" ((co\$1channel carrier) near2 interference) (signal adj (strength characteristic\$1 qualit\$3 metric))).clm.	US_PGPUB; USPAT; USOOR	OR	ON	2008/03/12 15:10
S144	1	((repeater regenerator) and ((base adj2 station) BTS "node B" (access adj (point node))) and (antenna\$1 transducer\$1) and (moving move\$1 movable steer\$4 span\$4 sweep\$3 swing\$3 scop\$3) and (SNR CNR SINR "signal-to-noise" ((co\$1channel carrier) near2 interference) (signal adj (strength characteristic\$1 qualit\$3 metric))).clm.	US_PGPUB; USPAT; USOOR	OR	ON	2008/03/12 15:12

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